

REMARKS

The Office Action dated February 9, 2004 has been read and carefully considered and the present amendment submitted in order to better describe the present invention in order to distinguish the different thereof over the cited references. In addition an extension of time of one month for responding to the Office Action is hereby petitioned and the fee for that extension accompanies this Amendment.

In that Office Action, claims 7-9 and 12 were rejected under 35 U.S.C. 103(a) as being unpatentable over Goldberg *et al*, U.S. Patent 6,296,606 in view of Patel, U.S. Patent 4,331,161. Claims 10 and 11 were rejected under 35 U.S.C. 103(a) as being unpatentable over Goldberg *et al* in view of Patel and further in view of Koch, U.S. Patent 6,048,304.

The Examiner has defined a "calibration system" to be a system to check, adjust, or determine via a comparison to a known value" and based upon that definition has used Goldberg *et al* as a basis for rejecting the claims. Goldberg *et al* certainly does not calibrate an electronic circuit as described by Applicant. Applicant has been unable to find that definition of "calibration" in various dictionaries and would appreciate information as to the source of that definition used by the Examiner.

The closest definition of "calibration" as provided by dictionary.com is described as "the act of checking or adjusting (by comparison with a standard) the accuracy of a measuring instrument" (Emphasis added). Goldberg *et al* is simply determining temperatures from a pair of temperature sensors and comparing temperatures with a set value and does not disclose any means to check or adjust the accuracy of the electronic circuit itself that processes the electrical signals that are determinative of a particular sensed temperature.

The input signals of Goldberg are provided by temperature sensors whereas the input signals of Applicant's invention are different signals and are predetermined, set and known values in order to carry out the calibration steps. Thus, Applicant has now amended claim 1 to better describe those input signals as predetermined since those input voltage

signals are established, predetermined and not some signals that may be provided by the sensing of a temperature. Voltage signals from temperature sensors such as are used in Goldberg *et al* are not predetermined but are dependent totally on the sensed temperature that may, and most likely will, change.

The amendment is believed to better show the substantial difference in the Goldberg *et al* system vs. the present system since in the present system inputs two different but predetermined voltages to determine the output voltages based on the individual, different input voltages. The input signals of Goldberg *et al* are not predetermined but vary depending on the particular sensed temperature and those input signals could certainly not be used in the manner that Applicant is using the two different, predetermined voltage inputs to calibrate the circuit by determining the differing output signals and then using those output signals to calculate the offset and span constants in order to use those constants to calibrate the circuit.

As stated, there is no indication in Goldberg *et al* that the offset and span constants are being calculated or are at all determined and, absent that teaching, it is likely that the calibration of the Goldberg *et al* circuit was carried out by the use of potentiometers as is conventional in such calibrations. In any event, there is no teaching in Goldberg *et al* to use the two different, predetermined input voltages to calculate the offset and span constants and to thereafter use those constants to calibrate the electrical circuit.

With no relevant teaching in the principal reference, the additional disclosures of Patel and Koch do not add any pertinent information to the principal reference to turn the temperature determination circuitry of Goldberg *et al* into a calibration system where there are no different, predetermined voltage signals inputted in the Goldberg *et al* reference and therefore, no way to obtain output signals that can be used to determine the offset and span constants for calibration of the circuit.

Accordingly, the claims in this application are submitted as patentable over the references of record and an allowance of the present application is respectfully solicited.

Respectfully submitted,
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